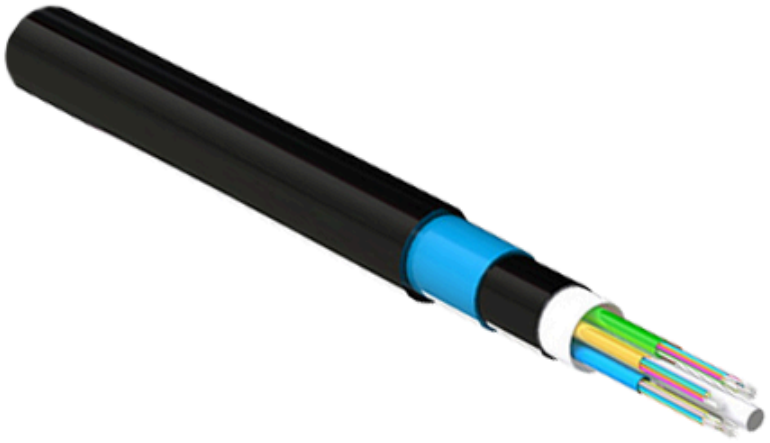


Sacrificial Sheath Loose Tube

Sacrificial Sheath Loose Tube Cables 6-144F

Features

- Bonded triple jacketed construction - excellent resistance to termites and external damage
- Insect resistant intermediate nylon layer with physical protection of the added outer layer
- UV stabilised polyethylene inner and outer jacket for long life in a wide range of installations
- Water swellable yarns provide protection against water ingress (dry core construction)
- Non-metallic construction
- Fibreglass reinforced polymer central strength member and glass yarn peripheral strength member provide excellent strength
- Flexible buffer tubes provide easy handling within termination enclosures
- Single layer SZ stranding limits stress on fibre tubes

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Application

- Underground ducts
- Direct buried fibre links
- Inter-building links
- Campus fibre networks
- Infrastructure and industrial fibre links
- Termite or insect prone areas

Design

FOS sacrificial sheath dielectric loose tube fibre cable is suited to external underground installations in ducts by pulling, jetting or floating techniques or by direct burial in open-cut
trenches.
Sacrificial sheath loose tube cable offers all the benefits of our standard nylon jacket loose tube, with the addition of a tertiary polyethelene jacket. This extra coating offers extra UV and impact protection to the termite resistant nylon jacket and limits any potential significant non-superficial damage to the cable.
FOS sacrificial sheath loose tube cable is available in black outer jacket in OM1, OM3, OM4 and Singlemode.

Product Information

1. Outer Jacket: Nylon
2. Inner Jacket: Polyethelene
3. Warpping: Core Wrapping/Water Swelling Yarns
4. Loose Tubes: PBTP
5. Strength Member: FRP (PE upcoating where required)
6. Tube Filler: Thixotropic Jelly
7. Optical Fibre: Silica Glass Fibre
8. Ripcords: Polyester

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Technical Information

Product Color	Black
Color Code	TIA598
Temperature, Operation [°C]	-30°C to +70°C
Temperature, Storage [°C]	-30°C to +70°C
Temperature, Installation [°C]	-10°C to +50°C
Fiber Type	G652D,OM1,OM3,OM4
Attenuation @Wavelength [nm]	1310/1550/1625 850/1300
Maximum Attenuation [dB/km]	0.35/0.21/0.24 3.0/1.0
Conformance	Temperature Range: (IEC 60794-1-2-F1) Cable Bend Radius: (IEC 60794-1-2-E11 A) Repeated Bending: (IEC 60794-1-2-E6) Tensile Force: (IEC 60794-1-2-E1) Impact Resistance: (IEC 60794-1-2-E4) Crush resistance: (IEC 60794-1-2-E3) Torsion resistance: (IEC 60794-1-2-E7) Water Penetration: (IEC 60794-1-2-F5 B) Kink Resistance: (IEC 60794-1-2-E10)
Marking	The jacket is indelibly printed every metre in a contrasting colour using the inkjet or hot foil Method. The marking includes the manufacturer, part number, manufacturing date, batch number and metre marking.
Ordering Information	Supplied lengths: 4 km ±5% Other fiber types available by special order.

Technical Details



TIA 598 Color Code Chart

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Items 4

Item Name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Tensile Force, Operation [N]	Crush [N/100 mm]	Impact [J]	Torsion [°]	Diameter Ø [mm]	Weight [kg/km]
Sacrificial Sheath Loose Tube 12F SM G652D F-LT12S-SAC-PE-BK	**Black**	**12**	**1x12 (5 fillers)**	**230**	**2000**	**2000**	**2000**	**300mm height, 3kg weight, 3 impacts**	**10 Cycles (± 360°) 10 kg weight, 2m length**	**11.5**	**95**
Sacrificial Sheath Loose Tube 24F SM G652D F-LT24S-SAC-PE-BK	**Black**	**12**	**2x12 (4 fillers)**	**230**	**2000**	**2000**	**2000**	**300mm height, 3kg weight, 3 impacts**	**10 Cycles (± 360°) 10 kg weight, 2m length**	**11.5**	**95**
Sacrificial Sheath Loose Tube 48F SM G652D F-LT48S-SAC-PE-BK	**Black**	**48**	**4x12 (2 fillers)**	**230**	**2000**	**2000**	**2000**	**300mm height, 3kg weight, 3 impacts**	**10 Cycles (± 360°) 10 kg weight, 2m length**	**11.5**	**95**
Sacrificial Sheath Loose Tube 144F SM G652D F-LT144S-SAC-PE-BK	**Black**	**144**	**12x12**	**300**	**2000**	**2000**	**2000**	**300mm height, 3kg weight, 3 impacts**	**10 Cycles (± 360°) 10 kg weight, 2m length**	**15**	**175**

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